

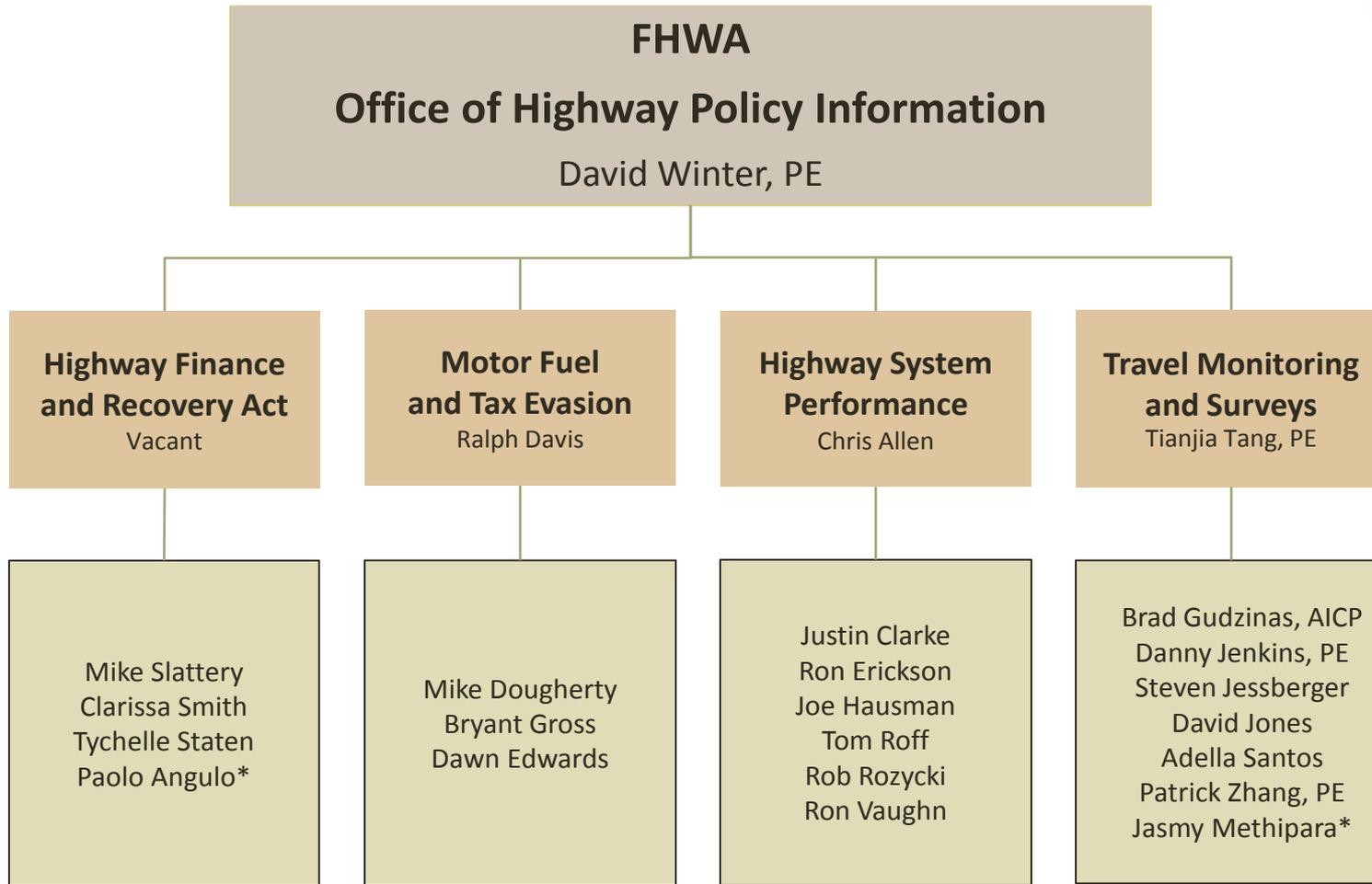
HIS 2013 Additional Learning Day
(November 18, 2013)

TMAS Training 2.0

(Travel Monitoring Analysis System)

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FHWA – Office of Policy Information
Travel Monitoring and Surveys Section

Office Organization Chart



TMAS history

- Before TMAS – 2000 thru 2007 (TVT system)
 - volume only with limited Quality Control (QC) capability – not online software
- TMAS 1.0 from August 2007 thru December 2009
 - Online with added QC and reporting for volume
 - Only keep data that passes QC checks
- TMAS 1.5 from January 2010 thru September 2012
 - Added QC for volume and station
 - Added volume and analytical reports
- TMAS 2.0 from October 2012 thru present
 - QC for all 2001 TMG formats
 - Reports for all data types
 - Export of all data capability
 - Deletion of all data capability
 - Quality Control (QC) by site capability
 - Keep nearly all data - even if it does not pass QC checks

TMAS support staff

- Volume –

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- Classification –

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- Weight –

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TMAS 3.0 Features

- Supports **all** Traffic Monitoring Guide (TMG) formats 2001 (metric) and 2013 (English)
- GIS capability
- Additional reports:
 - Volume – 2
 - Classification – 5
 - Weight – 12
 - Analysis – 6
 - Pedestrian and Bicycle – 4
 - Speed – 4
 - Pavement Design Guide - 3

TMAS 3.0 Features (con't)

- All new 2013 Traffic Monitoring Guide Formats
 - Station,
 - Volume,
 - Classification,
 - New Speed,
 - Weight,
 - New Per Vehicle Format (PVF) and
 - New Pedestrian and Bicycle (station and volume)

TMAS 3.0 Features (con't)

- New quality control (QC) processes for speed, PVF and pedestrian/bicycle data formats
- Minor changes to QC used for volume, class and weight formats
- Weight and PVF re-classification module option using the newly revised LTPP classification algorithm
- Multiple State user interface for LTPP and Federal Lands users
- Improvement list from TMAS 2.0 incorporated
- Export of Pavement Design Guide Formats
- Query module for level 3 users

TMAS 3.0 Project Schedule

- October 2013 thru June 2014 – writing of functional requirements and all flow diagrams
- July 2014 thru December 2014 – coding of all software features
- January 2015 thru February 2015 – BETA testing
(States and others)
- March 2015 thru April 2015 – final coding and improvements
- May 2015 TMAS 3.0 final version completed

TMAS 4.0

- Public Data Portal
- Improved QC checks for Speed, PVF, Pedestrian and Bicycle data.
- Query for external users
- Data Integration with other systems
- VTRIS website replaced by TMAS 4.0
- Portable traffic counts (all data types)?
- Traffic Monitoring Guide 2013 formats only

Software Demo

Questions and Comments

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